

Title (en)

Dyes containing polyhydroxyl groups for ink-jet printing inks.

Title (de)

Polyhydroxylgruppe enthaltende Farbstoffe für Tintenstrahldrucktinten.

Title (fr)

Colorants contenant des groupes polyhydroxyle pour encres d'impression par jet.

Publication

EP 0328375 A2 19890816 (EN)

Application

EP 89301227 A 19890209

Priority

US 15517588 A 19880211

Abstract (en)

A dye used in ink compositions for ink-jet printing comprises an aromatic dye molecule having attached to the backbone thereof from one to four polyhydroxyl-substituted groups having the formula selected from the group consisting of: (a) $\text{CH}_2\text{OH}-(\text{CHOH})_n\text{CH}_2\text{O}-$, where $n = 2$ to 10 ; (b) $\text{On}-1\text{CnH}_{2n-1}\text{O}-$, where $n = 5$ to 7 ; and (c) $\text{C}_6\text{nH}_{5n+1}\text{O}_{5n}\text{O}-$, where $n = 1$ to about 100 . These dyes have improved water solubility and improved interaction with paper.

IPC 1-7

C09B 69/00; **C09D 11/00**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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US 4836851 A 19890606; CA 1293971 C 19920107; DE 68912787 D1 19940317; DE 68912787 T2 19940818; EP 0328375 A2 19890816; EP 0328375 A3 19890927; EP 0328375 B1 19940202; HK 114994 A 19941027; JP 2765912 B2 19980618; JP H01247469 A 19891003; KR 890013138 A 19890921; KR 920009299 B1 19921015

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